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[Products](#)
[Service & Support](#)
[KnowledgeBase](#)
[Company](#)

Wednesday, March 16, 2005

Nerve and Muscle Stimulator

S88X DUAL OUTPUT SQUARE PULSE STIMULATOR

Single, Repetitive and Train Outputs. TTL Synchronization, External Analog Control of Rate

NEW -- The S88X is a dual output, general purpose stimulator for nerve and muscle stimulation procedures. **This new stimulator has touch-pad controls.**

Applications extend from single cell to entire muscle stimulation. The two output channels can be operated independently or synchronized to produce complex paradigms. The outputs are non-isolated constant voltage monophasic or biphasic pulses.

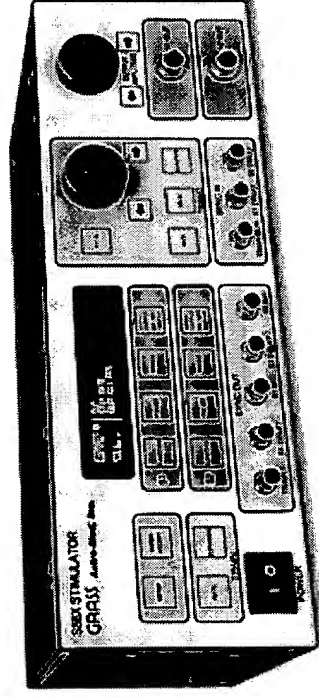
New features include:

- Digital controls -- precise timing accuracy
- Bright display simplifies setup
- Independent or synchronous channel operation
- Monophasic and biphasic modes
- Dual train output
- High current output facilitates field stimulation
- New companion isolation units

ORDERING INFORMATION

Model S88X	Stimulator including manual and power cord
Model S88XRK	Rackmount brackets to mount stimulator in a 19" cabinet
Model S88XBT	Adjustable bench-top stand to mount one stimulator
Model SRS	Stimulate/Record Switching Unit

[Stimulators Table of Contents](#)



S88X Dual Output Stimulator

SPECIFICATIONS

Train Rate (S1 and S2)	1/100 sec to 99 TPS
Train Duration	1 msec to 99 sec
Rate (S1 and S2)	1/100 sec to 1000 PPS
Pulse Delay (S1 and S2)	10 μ sec to 99 sec
Pulse Duration (S1 and S2)	10 μ sec to 99 sec
Synchronous Outputs	S1, S2, S1 Delay, S2 Delay, Train; Front panel BNC connectors, 50 ohm, TTL, 10 μ sec pulses
Synchronous Inputs	Train Duration, S1 Delay, S2 Delay; Front panel BNC connectors, 50 ohm, TTL, 10 μ sec pulses
Stimulus Output	10 mV to 24 VDC (monophasic) \pm 10mV to \pm 12 VDC (biphasic)
Peak Output Current	1 A

Output Impedance	<2 ohms
Maximum Power Out	24 W peak
AC Power	115/230 volts, 50/60 Hz, 100 watts maximum
Physical Size	19" W x 5.25" H x 12.5" D (48.3 cm x 13.4 cm x 31.8 cm)
Weight	10 lbs. (4.5 kg)
Regulatory	Safety: EN 61010-1:2001, UL 61010A-1, CSA C22.2 No. 1010.1-92 EMC: FCC Part 15, Subpart B, Class A, EN 61326:1998 Class A
<div><div>← Previous Page</div><div>↑ Back To Top</div></div>	

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